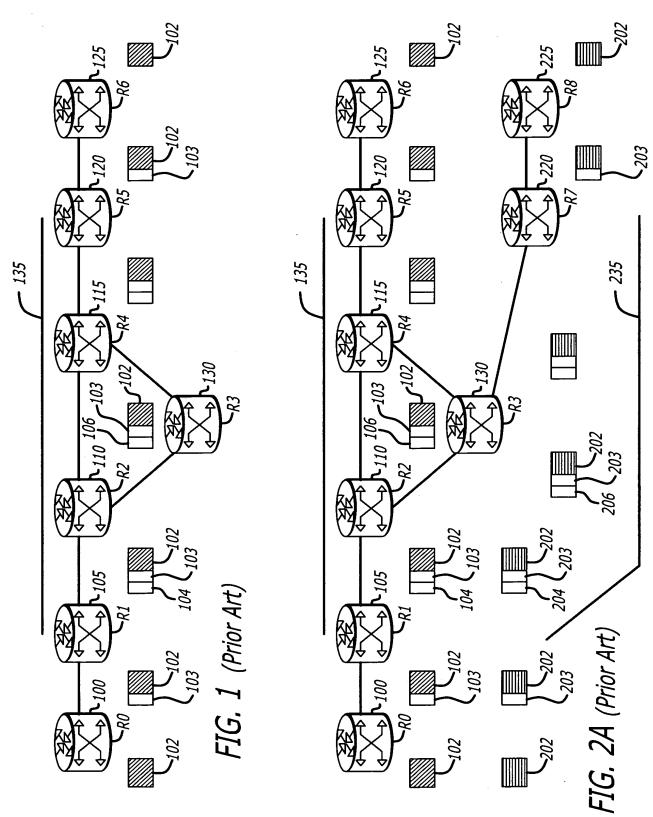


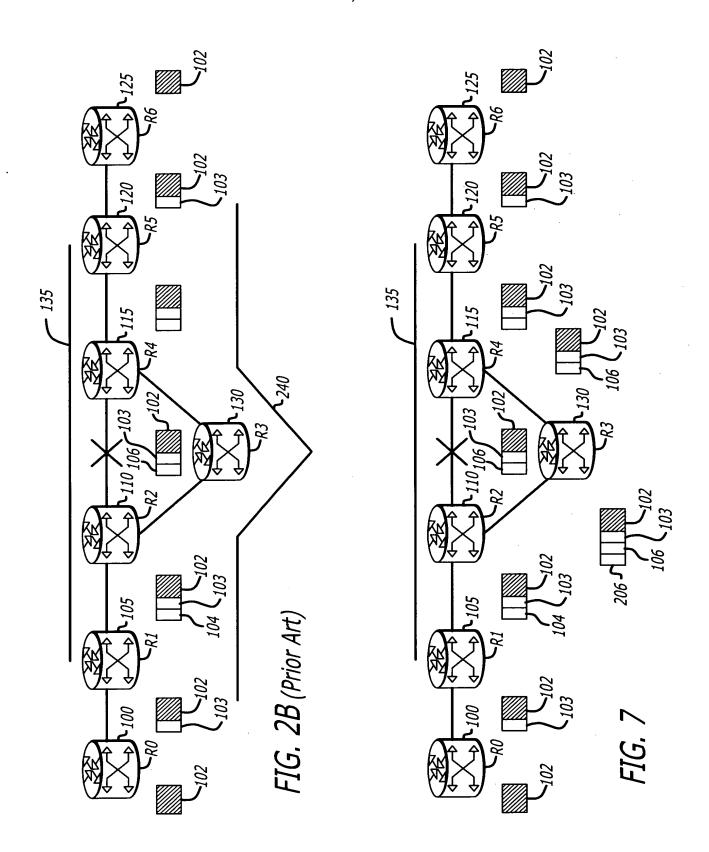
Blakely, Sokoloff, Taylor & Zafman LLP (714) 557-3800
Title: METHOD FOR FAST LABEL SWITCHOVER WITH MULTIPROTOCOL LABEL
SWITCHING

1st Named Inventor: Hariprasad R. Ginipalli Application No.: 09/967,174 Sheet: 1/5

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SWITCHING

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<i>30</i> 57	310	315	320		
<u> </u>		<u> </u>	<u> </u>		
ATM id	VC	Tunnel	Interface		
	Label	Label			
10/100	100	20 -> 40	1 -> 3		
20/200	200	20 -> 40	1 -> 3		
30/300	300	30	2		
40/400	400	20 -> 40	1 -> 3		

	405 \	410 \	415 \
	ATM id	VC Label	Group id
ſ	10/100	100	1
	20/200	200	1
	30/300	300	2
	40/400	400	1

520 \	525 \	530 \
Group id	Tunnel Label	Interface
1	20 -> 40	1 -> 3
2	30	.3
3	40	2
4	50	5

FIG. 5

TL = 20 VCL = 100	605
VCL = 100	~ 600
Data	FIG. 6A

TL = 40 VCL = 100	~ 610 ~ 600	
Data	FIG.	6B

TL = 20 VCL = 100	→ 1005 → 1000	
Data	FIG.	10A

BkL = 50 $TL = 40$	~ 1010 ~ 1005	
VCL = 100 Data	~1000 FIG.	10B

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<i>520</i>	525 \	530	835 \	840	845
Group id	Tunnel Label	Original Interface	Backup Label Enable	Backup Label	New Interface
1	20 -> 40	1 -> 3	NO	1	2
2	30	3	NO	1	3
3	40	2	NO	2	4
4	50	5	NO	1	4

FIG. 8

<i>520</i>	<i>525</i>	<i>530</i>	<i>835</i>	840	<i>845</i>
\	<u> </u>	<u> </u>		<u> </u>	
Group	Tunnel	Original	Backup	Backup	New
id	Label	Interface	Label	Label	Interface
			Enable		
1	20	1	YES	50	2
2	30	3	NO	60	3
3	40	2	NO	70	4
4	50	5	NO	80	4

FIG. 9

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